Remote Surveillance Manual

QSNDVR9M & QSNDVR16M

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Remote live surveillance

This DVR supports remote surveillance through Intranet (LAN) and Internet. After connecting to the network, the DVR functions as a server. Any connected computer, via Internet or LAN, can view the live surveillance, control PTZ cameras in the active-x file downloaded from an IE browser, and can playback/backup the recorded files from the client software installed on the computer

The DVR supports three remote users' logged in simultaneously.

1 Remote Operation through Internet Explorer (IE)

IE remote operation refers to the active-x file downloaded from the IE browser, which we will refer to as "IE-CLIENT"

Functions: □ Live video and audio;

□ Remote PTZ camera control.

1.1 Install / uninstall IE-CLIENT

□ Install

The first time you use IE-client on a computer or if the operation system on the computer is reinstalled, fill in the IP address of the DVR in IE address window and press enter or click , the system will ask you to install the webcam software, the dialogue box is as follows:

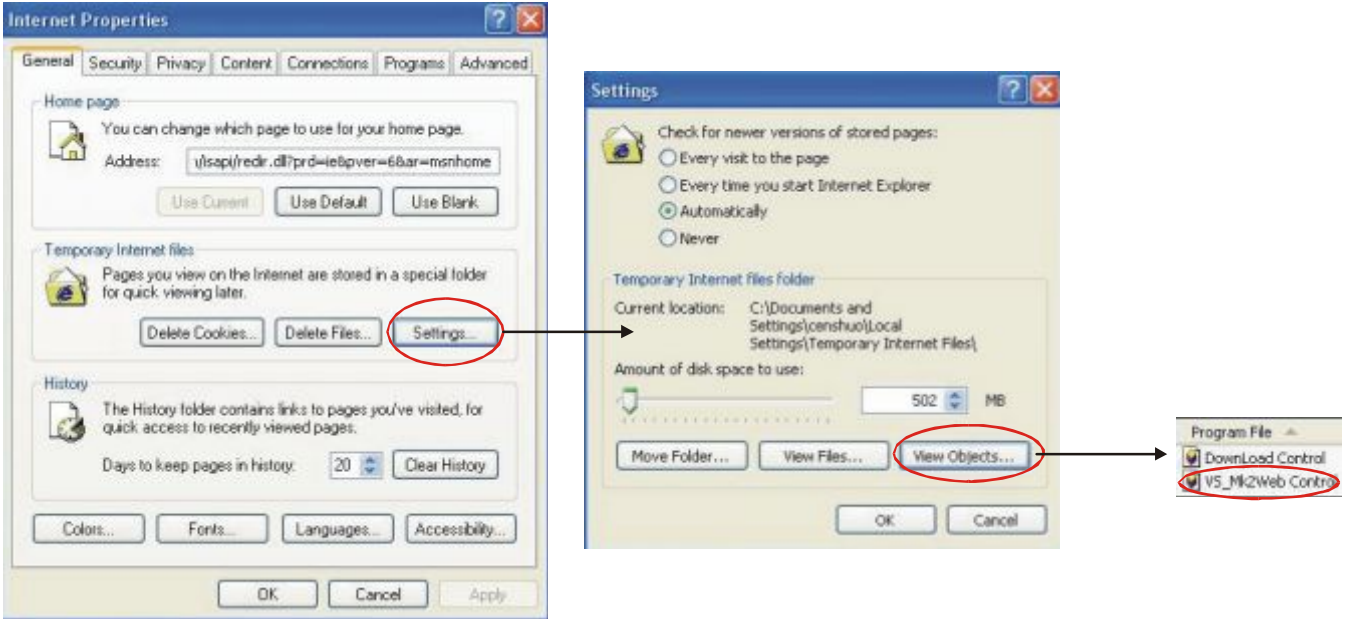
Internet Explorer - Security Warning
Do you want to install this software?
Name: VS_Mk2Web
Publisher: UDWORKS CO., LTD.
More options
Install
Don't Install
While files from the Internet can be useful, this file type can potentially harm your computer. Only install software from publishers you trust. What's the risk?

Click “Install” button to install IE client. If you click “Don’t install” button, user can not operate DVR via IE.

□ Uninstall

If user wants to uninstall IE-Client, please do the following steps:

- □ Click “properties” of Internet Explorer
- □ Click “Settings” of “Temporary Internet files”
- □ Click “view objects” to open the folder of the IE-Client
- □ Delete “VS_MK2Web control”.
- □ Illustrations of uninstall process:



1.2 Login

Put the IP address of the DVR into the IE address window. Then press enter or click

to view the DVR through Web Client and a dialog box pops up (Fig 1.1.1 Login).

Fig1.1.1 Login

ID, password and **Port** are from the Network setup of DVR

Enable Overlay: If user's VGA card supports overlay function, the display performance works better with this option selected. Users have to disable this function if the user's VGA card does not support it.

Enable Audio: If this option is selected, the live audio will be transmitted to the remote surveillance PC.

1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, and **16**: The channel selected is displayed on the screen. If the DVR is a 9-channel, please choose the channel from 1 to 9; if the DVR is a 16-channel, please choose the channel from 1 to 16. If the user only wants to see channel one, he/she can also choose channel one only.

After all the options above are set, press "OK" button and the screen will display the live picture. The main menu of the 9-channel is the same as the16-channel, the following picture takes The 16-channel as an example. (Fig1.1.2 Live surveillance)

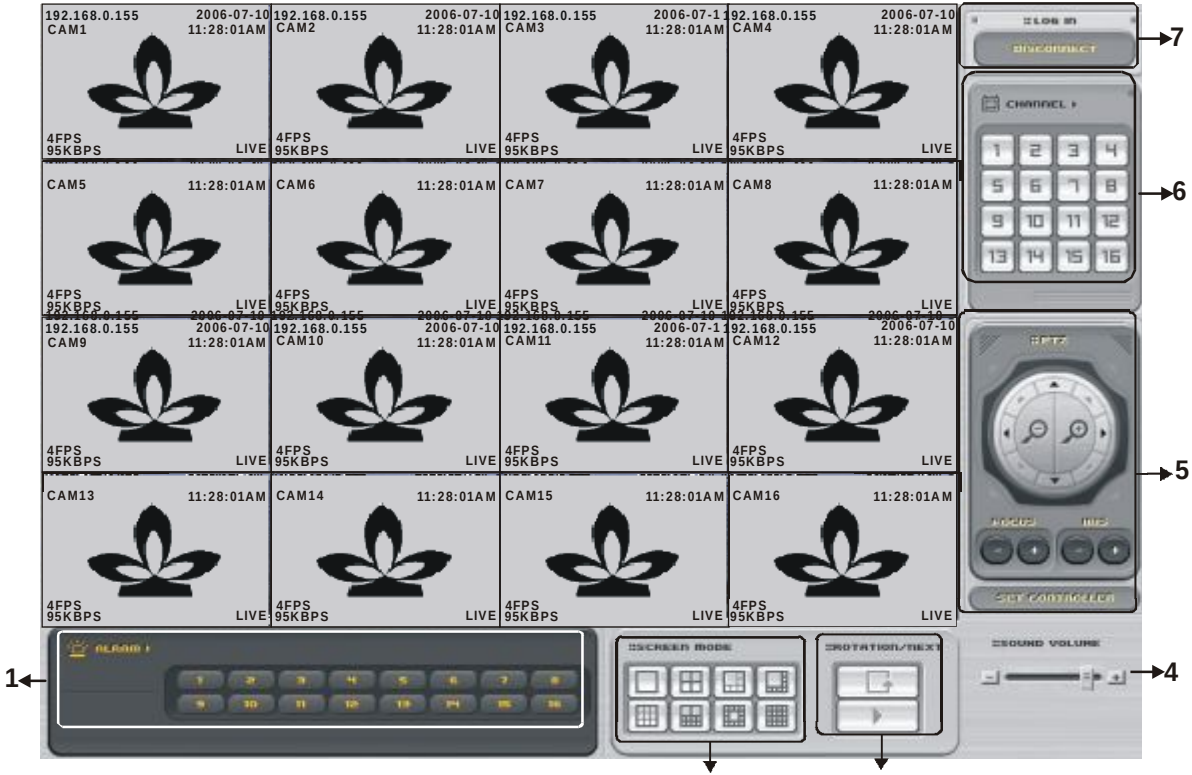


Fig1.1.2 Live surveillance

1.3 Using the IE Client

□ **Alarm**: If the DVR sends a motion alarm, the channel name flashes on the screen and the word “MOTION” is displayed,

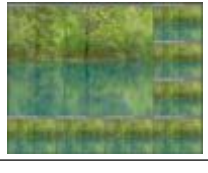
(Fig1.1.3 Motion alarm).

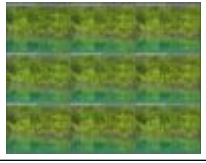
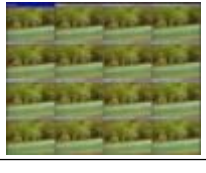
If the DVR sends a sensor alarm, the channel name flashes on the screen and the word “SENSOR”. is displayed.

Fig1.1.3 Motion alarm

□ **Screen mode**:

Enables the user to control the screen mode and size.

Button	Screen mode	Screen
	1-channel	
	4-channel	
	6-channel	
	8-channel	

	9-channel	
	10-channel	
	13-channel	
	16-channel	

□ **Rotation/Next**

: Rotation. If you press this button, the picture from channel 1 to channel 16 will be displayed in turn. This button will be in yellow when it is selected

: Next. Switch the pictures from current channel to next channel.

□ **Sound volume**

: The volume is from low to high when the bar is shifted from left to right. You can click the and or drag the bar to set.

□ **PTZ**

With a PTZ camera, the user can control PAN, TILT, ZOOM, FOCUS and IRIS from the remote site.

□ This button is for PAN/TILT and ZOOM adjustment. The button ZOOMS-IN and the button ZOOMS-OUT.

□ This button is for FOCUS adjustment, and mean short and long respectively.

□

: This button is for the IRIS adjustment. If the light in the area where camera is located is too strong, press to decrease volume of light, if the light in the area where camera is located is too weak, press to increase amount of light.

□

: Press this button to set the PTZ (Fig1.1.4 PTZF setting)

Internal: If the PC is connected to the DVR in the same local area network, you have to choose **Internal** and you do not need to reset the configuration.

External: If the PC is connected to the DVR through the Internet, you have to choose **External** and setup the PTZ Controller and Address of each channel.

Channel: Choose the channel which is connected with speed dome camera.

PTZ Controller: Choose the PTZ protocol, which is the same as the protocol set in Fast speed dome and DVR. The protocol set in the PTZ PROTOCOL, which is in the submenu of the LIVE menu in the DVR.

Address: Choose the PTZ address, which is the same as the address set in Fast speed dome and DVR. The address set in the PTZ ID, which is the submenu of the LIVE menu in the DVR.

Take the channel 1 as example:

If the PTZ protocol set in the DVR is PELCO_D-2400, it means that the protocol is PELCO_D and the baud rate is 2400kbps. If the PTZ ID set in the DVR is 01.Press the “Add” button to save the configuration, the PTZ setting is as fig1.1.4 PTZ setting:

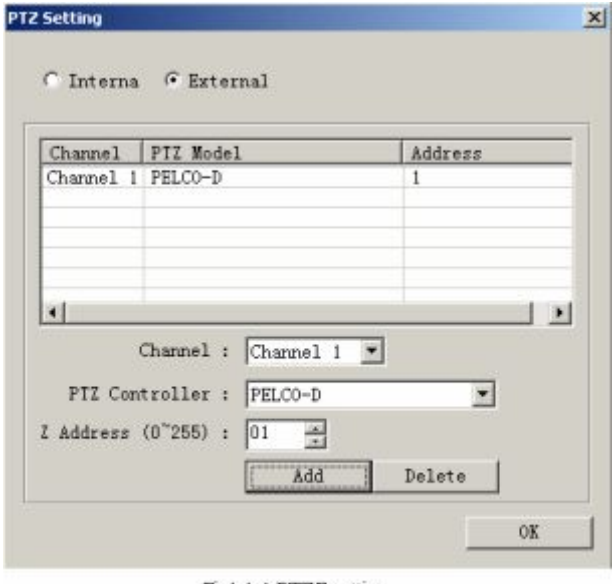


Fig1.1.4 PTZF setting

In the same way, the protocol set in the Fast speed dome should be PELCO_D, the baud rate should be 2400kpbs, and the address should be 01.

□ **Channel**

You can choose the channel which you want to see through the number buttons from 1 to 16.

□ **Disconnect/Connect**

: Press this to terminate the connection between DVR and the IE client.

: Press this button to regain the connection between DVR and IE client.

Attention: These two buttons do not appear at the same time. When “Disconnect” shows, it means the IE client is connected with DVR, when “Connect” shows, it means the IE client not connected.

2 Remote Operation through Network Client Software

Remote software refers to Network Client, here after referred to as “Net Client”

Function:

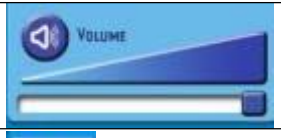
- Live video and audio;
- Remote PTZ camera control;
- Remote playback and record.

2.1 Main screen and buttons description

The main menu of the 9-channel is the same as 16-channel, the following picture takes the 16-channel as an example:

NETWORK CLIENT
NETCLIENT
CAM1
CAM2
CAM3
CAM4
CAM5
CAM6
CAM7
CAM8
CAM9
CAM10
CAM11
CAM12
CAM13
CAM14
CAM15
CAM16
2006 07 10 10:52:14
10
1CHM
4CHM
9CHM
16CHM
9
1 2 3 4
5 6 7 8
9 10 11 12
13 14 15 16
6
7
8
SNAPSHOT
CONNECT
OPTION
VOLUME
5
FILE NAME
1
2
3
4
LIVE
R-PB
BACK-UP
L-PB

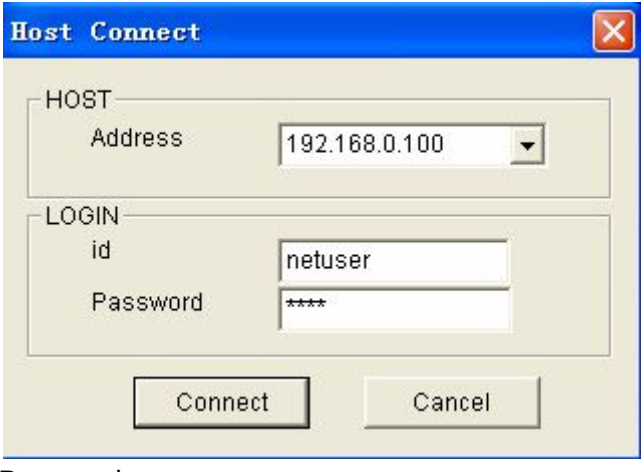
The button description:

Number	Icon	Description	Function
1		Live control	Press this button to view the live picture of the DVR, the user can control the PTZ equipment at the same time.
2		Remote-playback	Press this button to playback recording in the DVR via network.
3		File backup	Press this button to backup the file from the DVR to computer.
4		Local-playback	Press this button to play a file from the mobile disk or local disk of the computer.
5		Volume Control	Adjust the volume.
6		Snap shot	Capture a single frame

7		Connect/ Disconnect	Connect/disconnect the connection between DVR and Net Client.
8		Option	Setup the options, such as: control port, initial mode, and audio connection.
9		Select Channel	Choose the desired channel.
10		Select display mode: Full screen/Quad/ 9-channel/16 channel	Choose 1CAM to view the full display of the channel selected, choose 4CAM to view quad display in the full screen, choose 9CAM to view the live picture of 9 channels in the full screen, choose 16CAM to view the live picture of 16 channels in the full screen.

2.2 Connection

(1) Click “connect” icon in the main window of the Net Client to enter the connection setup menu.



(2) Input Address & ID / Password.

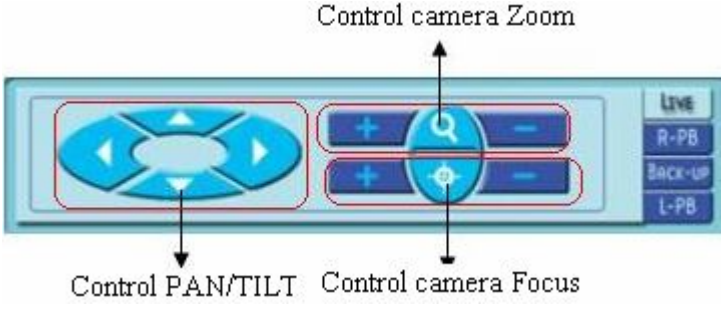
The address is the IP address of the DVR, which is set in the TYPE menu, which is in the submenu of the NETWORK menu of the DVR.

The ID and the password are set in the NET CLIENT ID, which is in the submenu of the NETWORK menu of the DVR. Besides the four sets of the ID and password, the user can use “Netuser” as ID, the corresponding password is set in NET PASSWORD menu, which is in the submenu of the NETWORK menu of the DVR.

(3) Then, click “Connect” button.

2.3 Live

Press LIVE button in the main window of the Net Client, the live picture will display on the screen and the PTZ control button displays at the same time, whose meaning is shown in the following picture:

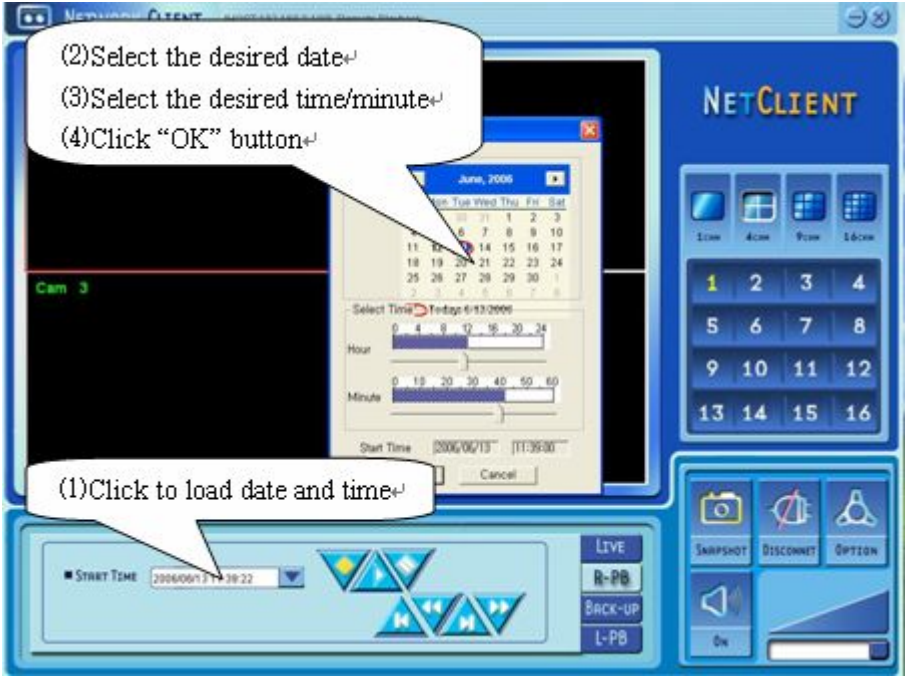


PAN/TILT controller: Click the direction button to swing the Fast speed dome. For example, click left button, the camera of the Fast speed dome will swing to the left.

Zoom controller: Click the “+” button to zoom in and click “-” button to zoom out.

Focus controller: Click “+” button to lengthen the focus and click “-” button to shorten the focus of the camera.

2.4 Remote playback



then use the following buttons to control playback:

□ : Stop

□ : Play

□ : Pause

□ : Fast Reverse

□ : Reverse frame by frame

□ : Forward by frame by frame

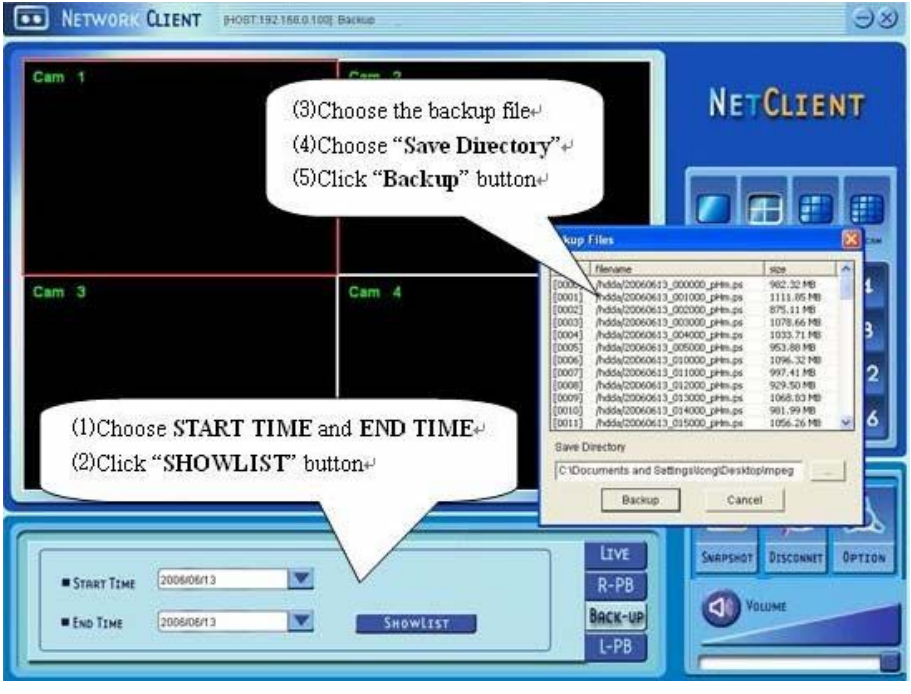
□ : Fast forward

***Attention*:** □ The date circled by red is today;

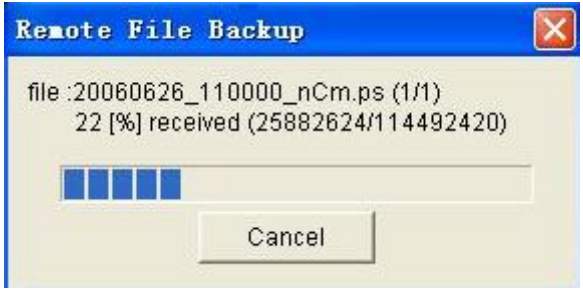
□ The date which of record is shown as **boldface**.

□ The time which of record is shown as alternating blue and white **grillwork** below the hour and minute headings.

2.5 Backup



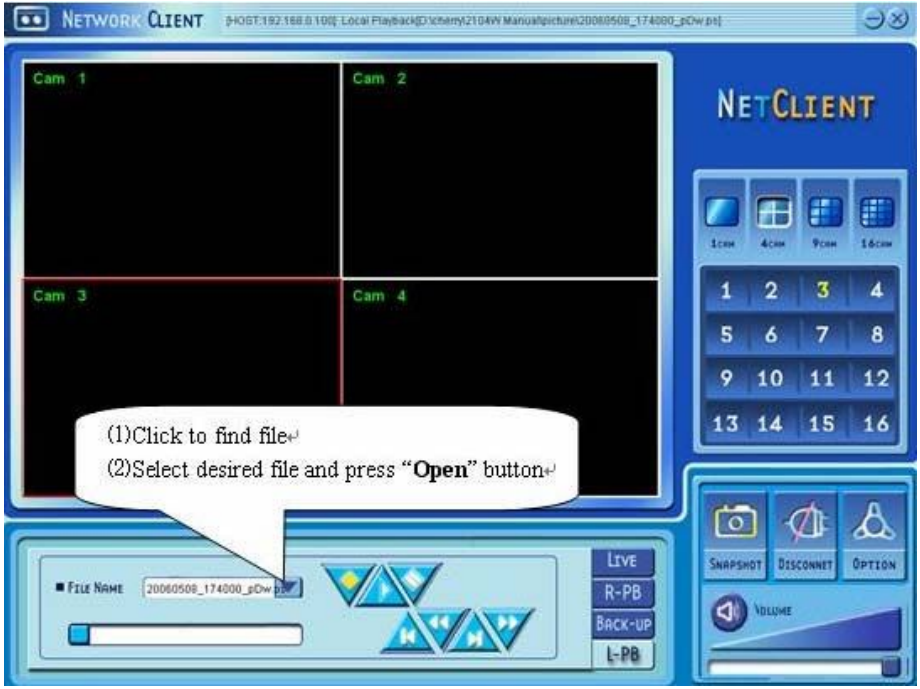
then a dialogue box pops up and the backup begins.



The backup file name, backup progress and the size of the backup file are shown in the dialogue box. When the backup progress is over, this dialogue box will disappear. The backup file is in special format which can only be played by the Net Client software.

Attention: The speed of the network and the size of the backup file both decide the length of the backup time.

2.6 Local playback



Attention: ☐ This function can not only be used in network, but also in stand-alone mode;

□The file recorded by this DVR is a postscript file, whose suffix is "**.ps**". Any postscript file in the HDD or CD/DVD drive can be played back in a HDD or CD/DVD drive connected to ATA or USB interface of a computer.

2.7 Volume Control

: The audio is disabled.

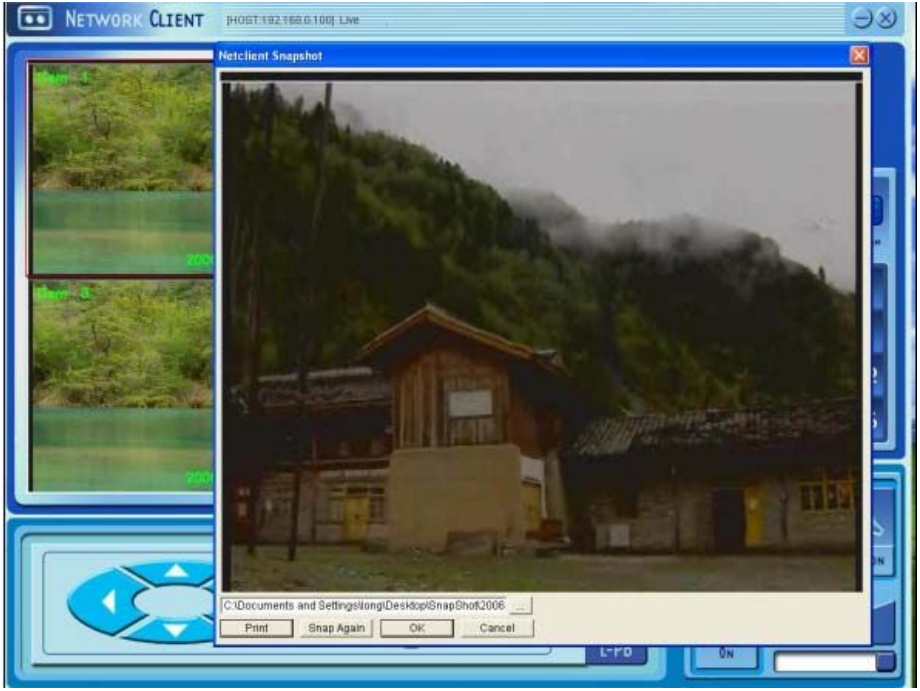
: The audio is on. The volume is from low to high when the bar is shifted from left to right.

2.8 Snap shot

: Capture a frame of the video of a recording or the live picture.

□ Select the channel whose picture is ready for saving or printing.

□ Then press the “Snapshot” button. A window pops up for saving or printing. The user can select directory to save to, and also print it directly. If you want to snap the next picture, press the “**Snap Again**” button.


NETWORK CLIENT
[HOST:192.168.0.100] Live
Netclient Snapshot
C:\Documents and Settings\long\Desktop\SnapShot\2006
Print
Snap Again
OK
Cancel

2.9 Option

Press button to setup the "**control port**", "**stream port**", "**initial mode"** and "**audio connect"**.

Control port/stream port: The port must be set as the same as the DVR, and these ports should be opened.

Initial mode: If the DVR is 9-channel, please choose 9; If the DVR is 16-channel, please choose 16.

Audio connect: Only if this option is chosen is there audio output in the Net Client.

2.10 Disconnect and exit

When the connection to DVR has been established, the

button is changed to

button. If you want to disconnect the connection, press this button. A dialogue box pops up——"Are you sure?" Press "**Yes**" to disconnect, press "No" to return to the previous menu.

Click button to exit the client program. A dialogue box will pop up——"Do you really want to Exit?

(Y/N)".Press "**Y**" key on keyboard or click "**Yes**" button to exit. Press "**N**" key on keyboard or click "**No**" button to return to the main menu.

Attention: These two buttons do not appear at the same time. When "Disconnect" shows, it means the net client is connected to DVR, when "Connect" shows, it means the net client is not connected.

3 Setting up the DVR for Remote Access

To access the DVR through a remote computer you need to make sure the default gateway on the DVR is the same IP address as your router, and the first three sets of numbers of the DVR IP address are the same as the first three sets of numbers of routers address. Example: if your router's default gateway is 192.168.1.1 then the default gateway setting in the DVR should be 192.168.001.001, and the first three sets of numbers on the DVR's IP address should be 192.168.001. The subnet on the DVR also needs to be the same as the router, example: if the subnet on the router is 255.255.255.0 the subnet on the DVR needs to be 255.255.255.000. To get the default gateway and subnet of the router go to a computer that is attached to the same router as the DVR, click on the start button, then click on run, then enter cmd into the space and click on OK. At the curser type ipconfig, the default gateway and subnet will be displayed. You would enter the network setting on the DVR in the SETUP-NETWORK, TYPE>STATIC section.

If you are going to access the DVR through the internet, next you need to forward ports 80 and 7620 through 7624 on the router to the IP address of the DVR. How you would do this depends on the brand and model number of your router. You can go to www.portforward.com to get instructions on how to forward ports on most popular routers. To access your router's program you would open an internet browser window and type the default gateway of the router into the address bar at the top of the window. Then follow the instructions for your router.

Once you have setup the network settings on the DVR to match the settings of your router and forwarded the ports needed by the DVR, you need to modify your browser controls. You need to allow Pop-ups. To do so go to the Internet Explorer tool bar and select the "tools" option, then select the "Pop up Blocker" option and select "Turn Off Pop-up Blocker." You will also need to enable Active X controls. To do so go to the Internet Explorer tool bar and select the "tools" option, then "Internet Options", then "Security", then click the "Custom Level" button, and then select the option to enable Active X Controls and Plug Ins. To connect to the DVR from the remote computer you would then open an internet browser window and enter the internet IP of your router. To get the internet IP of your router go to www.myipaddress.com from a computer that is attached to the same router as the DVR. You would then access the DVR by typing the IP address you got from www.myipaddress.com into the browser window (Example:http://70.69.120.123). You will get a login screen were you will need to enter your user name and password (NetUser and 0000 by default). The first time you connect a webcam program will be downloaded to your system (VS Mk2Web) and you may get a message that an ActiveX control on the page may be unsafe but it is ok to click the Yes option to download the control and program. This will take you to the Internet Explorer Webcam screen. You would click on the Connect Icon to display cameras. Please see chapter 2 for more information on how to use the included network client software.

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